

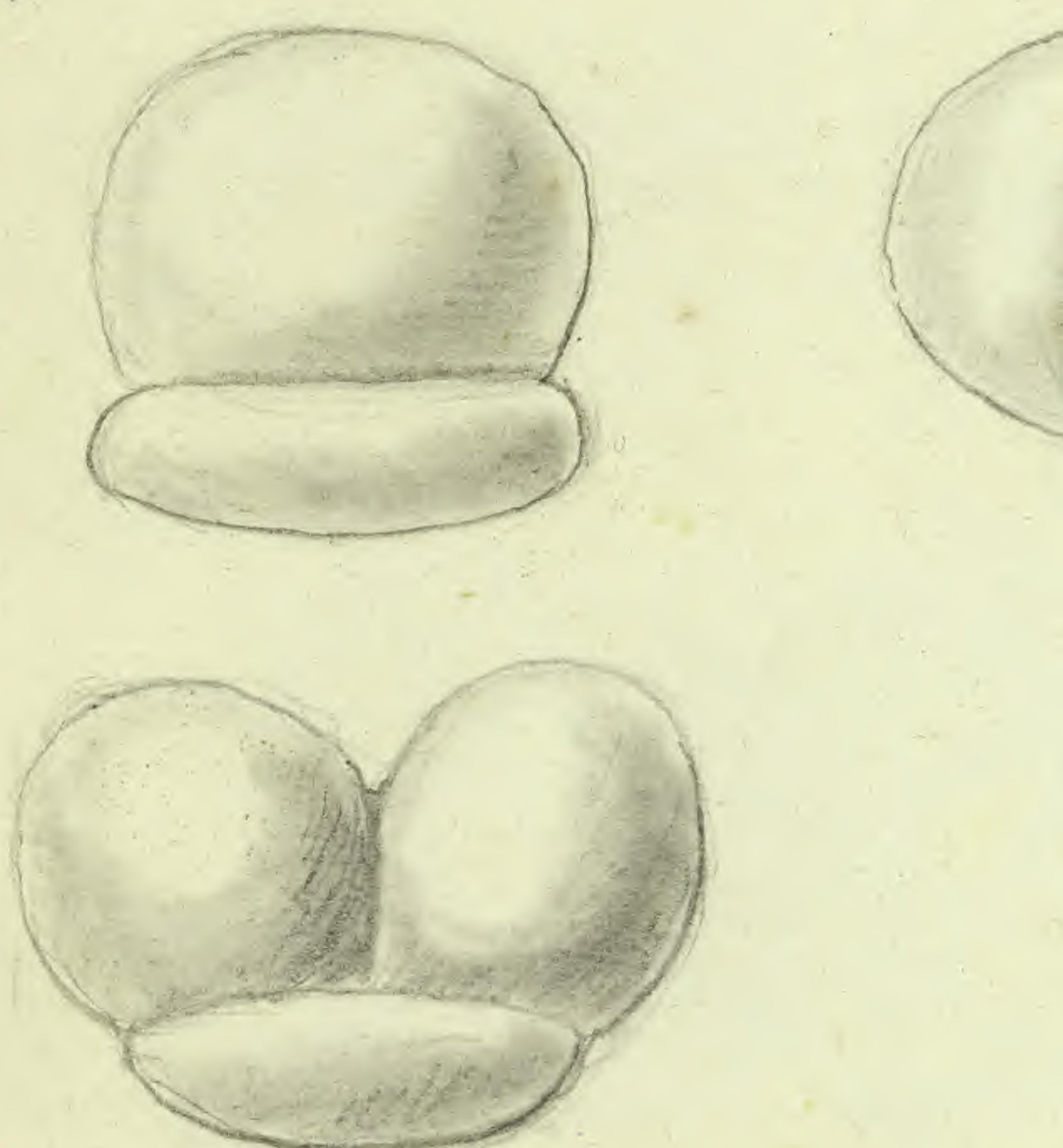


GEORGE ENGELMANN BOTANICAL NOTEBOOKS

*Pagination Note:
Since many of the items lack a specific
page number, the page number displayed
online refers to the sequentially created
number each item was given upon
cataloging the materials.*

x415

Picea alba, dry Pollen in moist light
(from Maine) June 1863



MISSOURI BOTANICAL GARDEN
GODDE RESEARCH STATION
COLUMBIA, MISSOURI 65211-2746

PRINTED IN U.S.A. FOR THE NATIONAL MUSEUM OF NATURAL HISTORY

VIBURNUM VULGARE L.

W.H. WILSON

A



0
cm

1 2 3 4 5 6 7 8 9 10

copyright reserved



MISSOURI
BOTANICAL
GARDEN

A R T H U R L E I T C H ,
A P O T H E C A R Y A N D C H E M I S T ,

Sixth and Market streets, St. Louis, Mo.

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

123621



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cm

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GARDEN

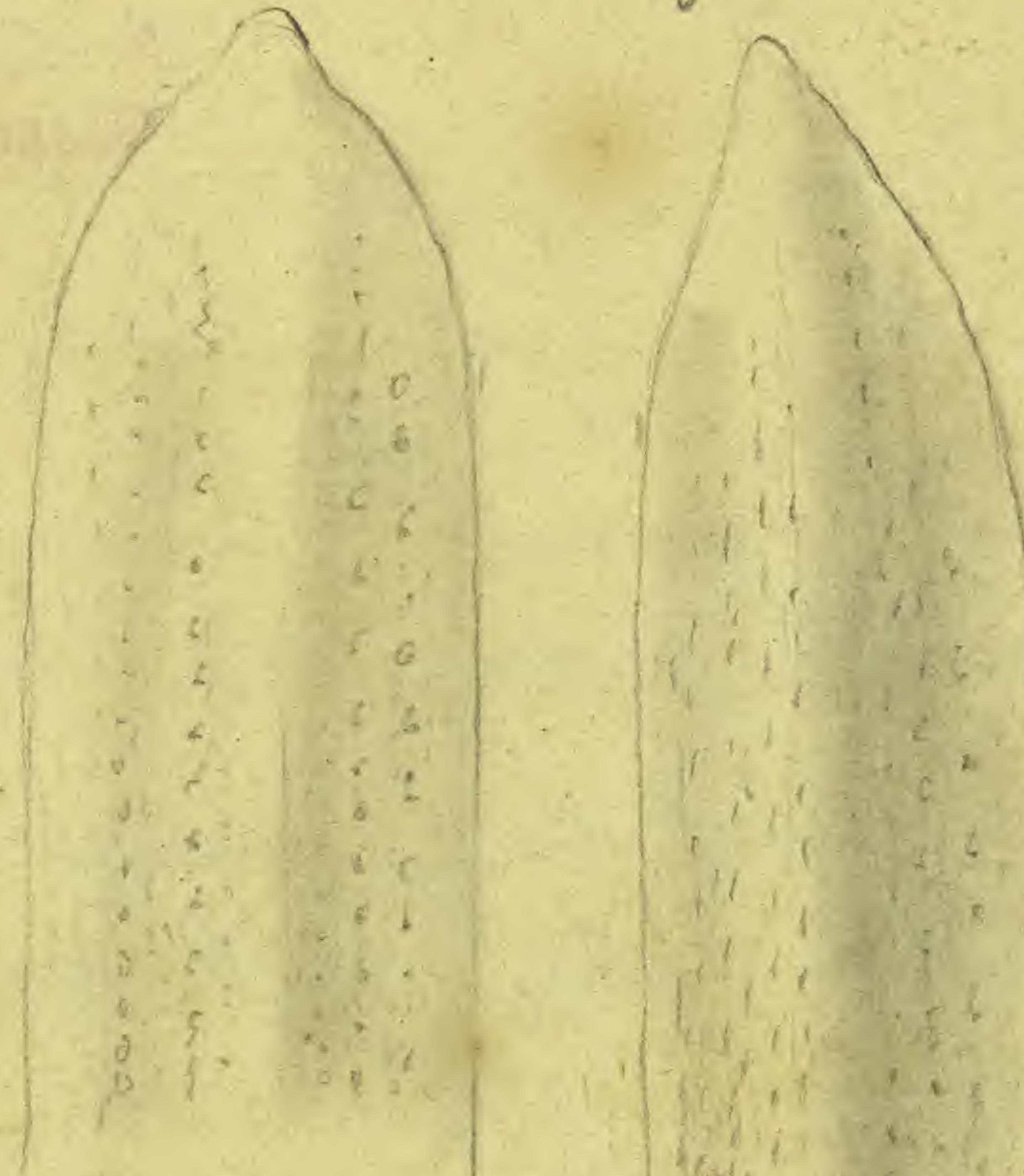
Picea nigra

Tontine Michigan

H.O. Mission Sept 4 1863

Stomata or
Gores X150

X4



below up last
lateral

lower side with 1-3
upper side with 3-5 rows of

over

sect. of leaf X30



0 1 2 3 4 5 6 7 8 9 10

cm

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GARDEN

12365

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS*Picea nigra*var. *Sociorum*

terribus plurimis

ramulis glabris, junioribus solum

paxi puberulis, decussatim foliosis

foliis (4-5 li) paxi oppositis,

rectangulis rite quadrangulis;

abrupte acutisquamis, subtus

lineis albi 1-3 super 2-5

notatis;

strobilis cum latellis notatus mix

mobilis.

semivirginiana ala oblique late obovata



0 1 2 3 4 5 6 7 8 9 10

cm

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GARDEN

large number of scales, sunning
bud; exterior brown, acute
3 angles, interior obtuse, inner
most longer, hyaline - no
transition to leaves seen

Abris nigra May 1862



0 1 2 3 4 5 6 7 8 9 10

cm

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GARDEN

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MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS



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cm

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x415

"*Picea nigra*"

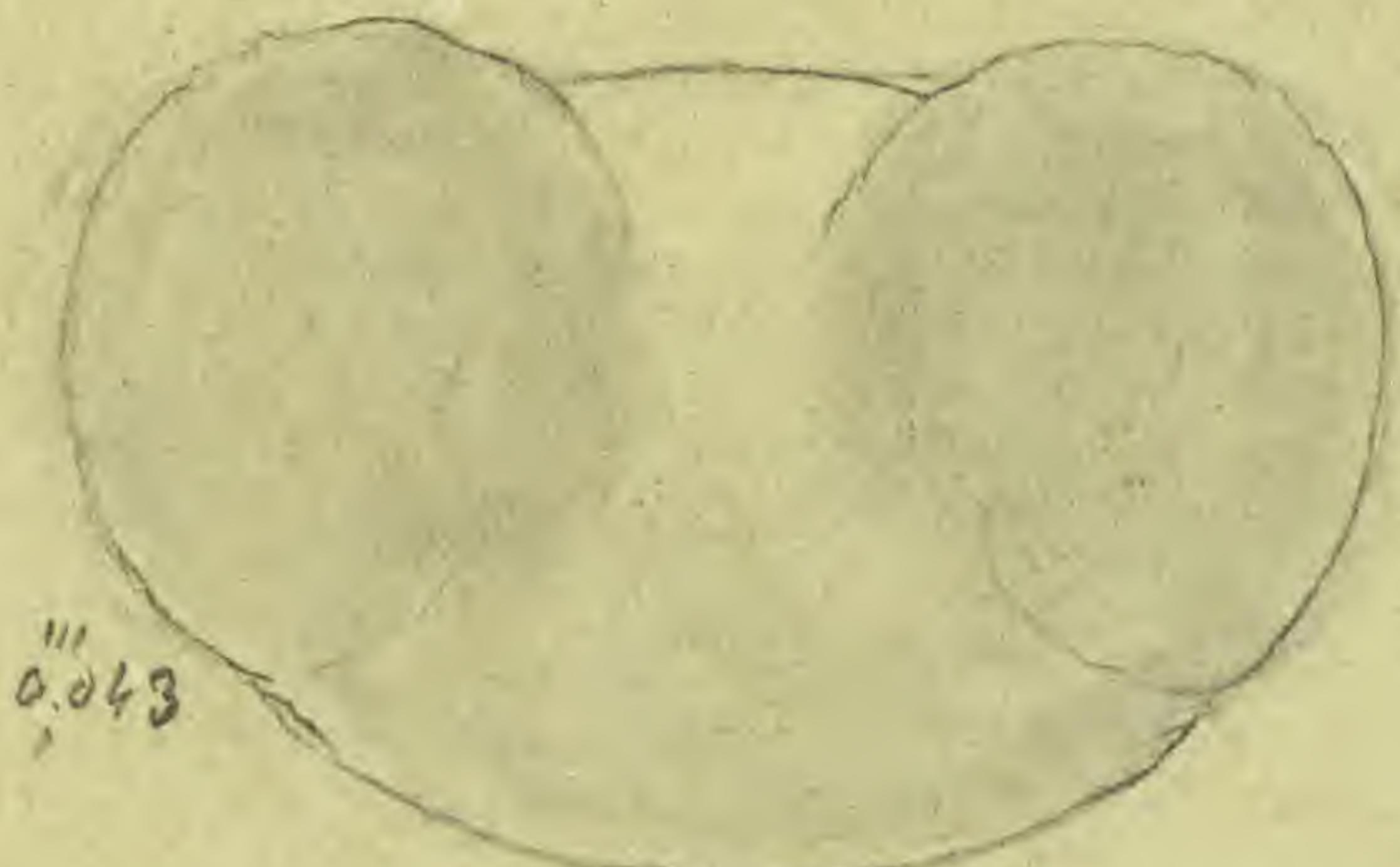
H.B. Cambridge May

May & June 1863

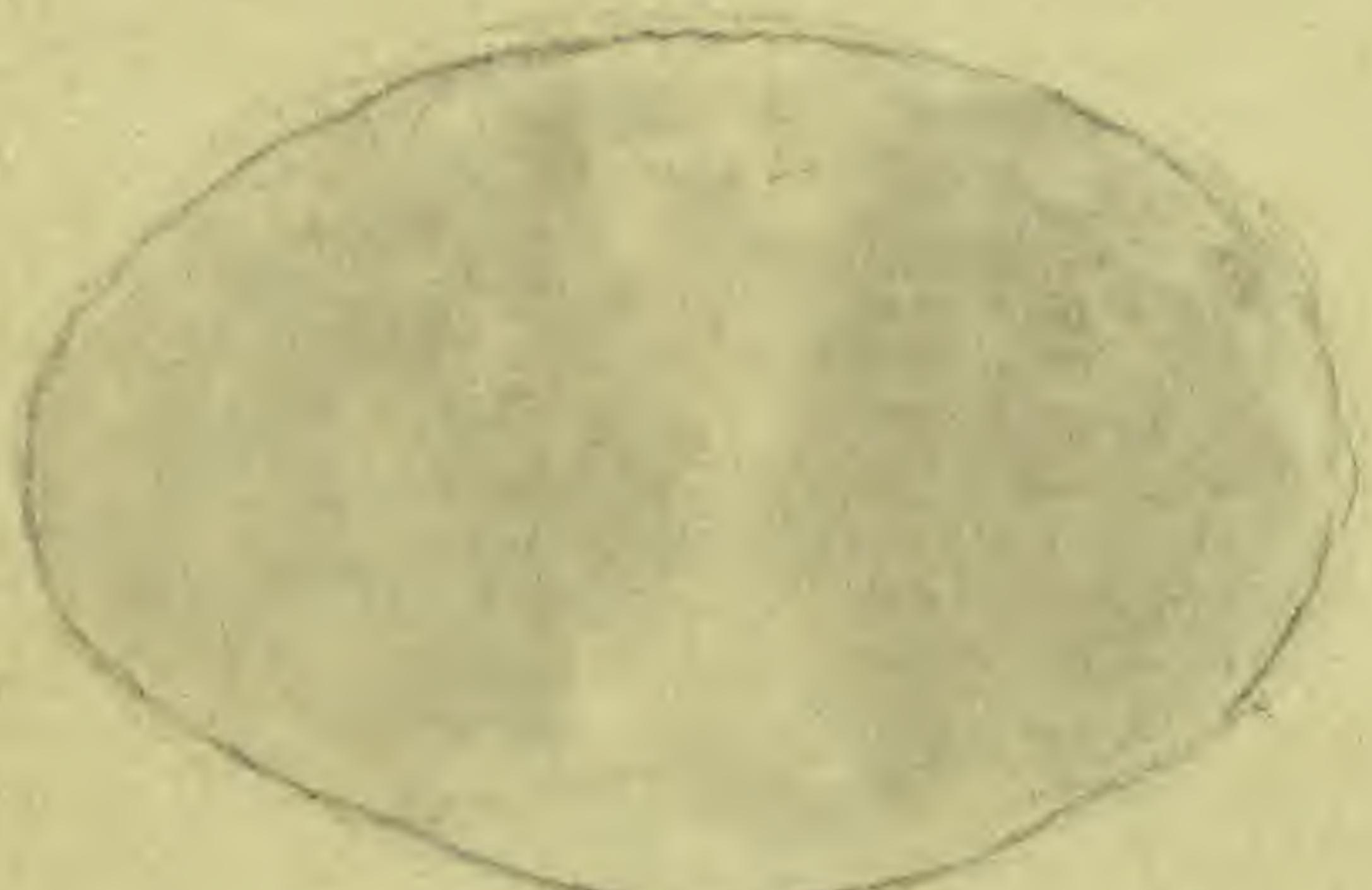
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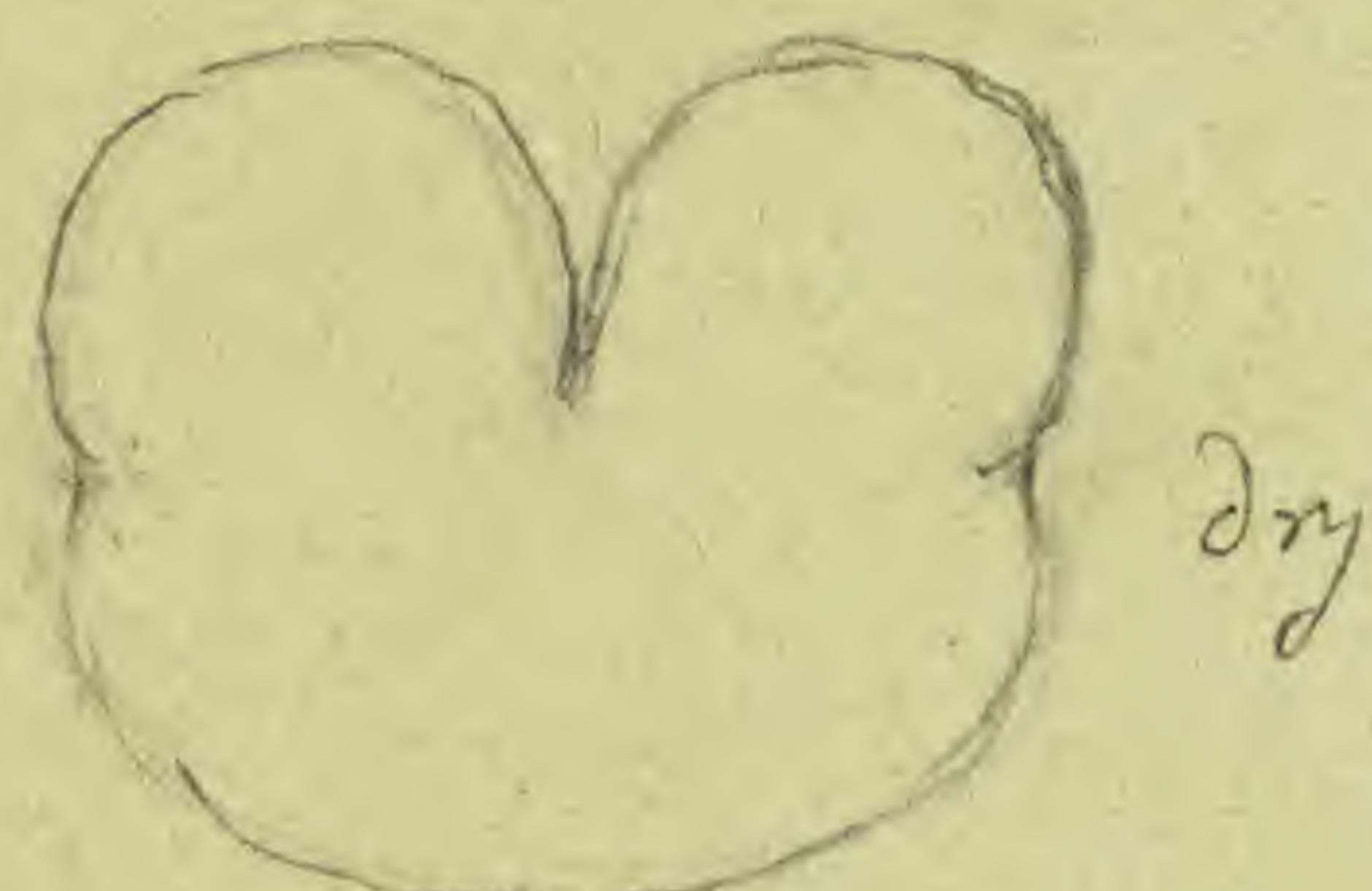
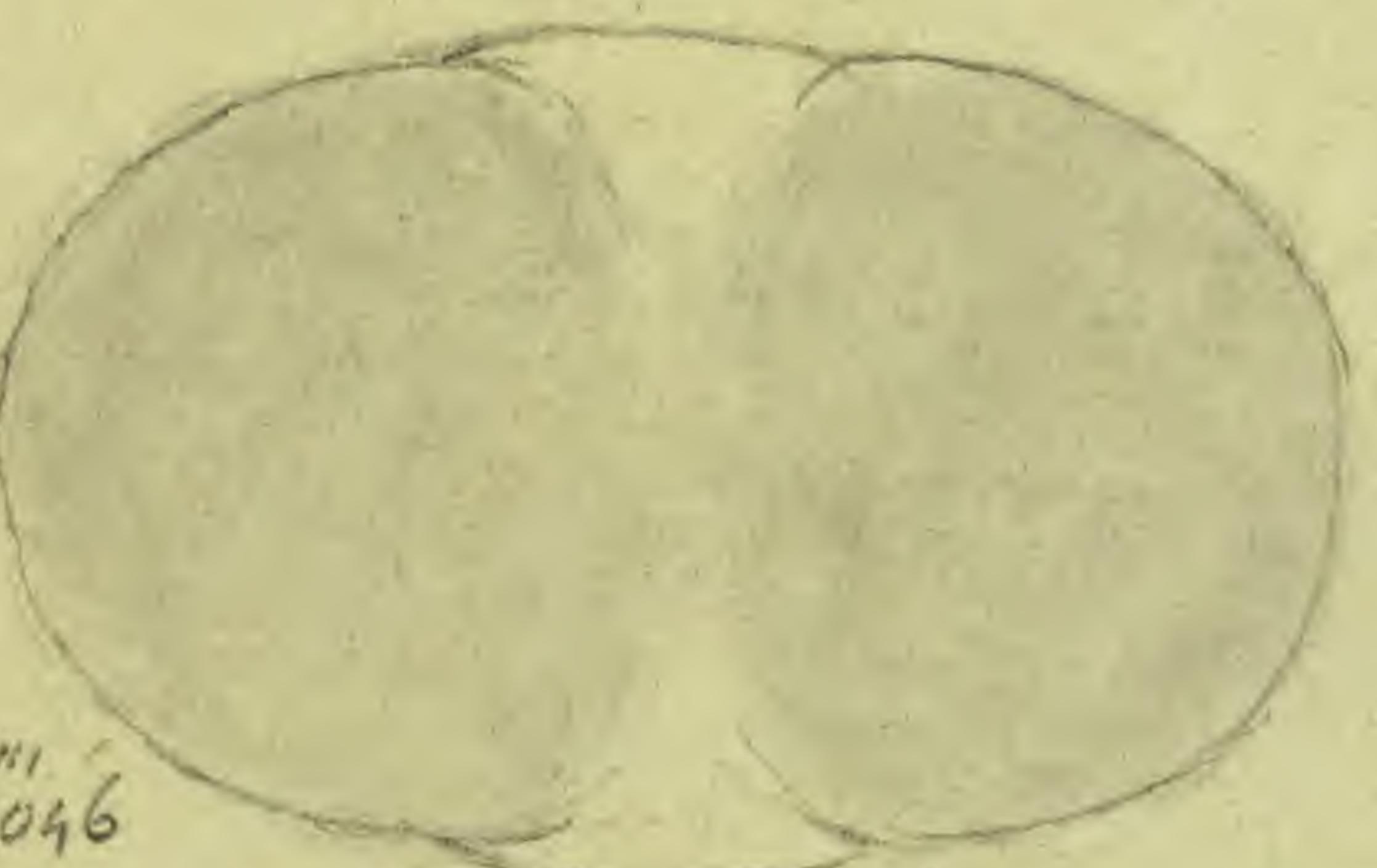
"
0.043



"
0.043



"
0.046



this was evidently not
entirely on the slide



0 1 2 3 4 5 6 7 8 9 10

cm

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BOTANICAL
GARDEN

M. W. ALEXANDER,
SOUTH-EAST CORNER OF FOURTH AND MARKET STREETS,
ST. LOUIS.

415 10042
1750-
1660
900
1800
1660
1500

1900
1660
2400

12367

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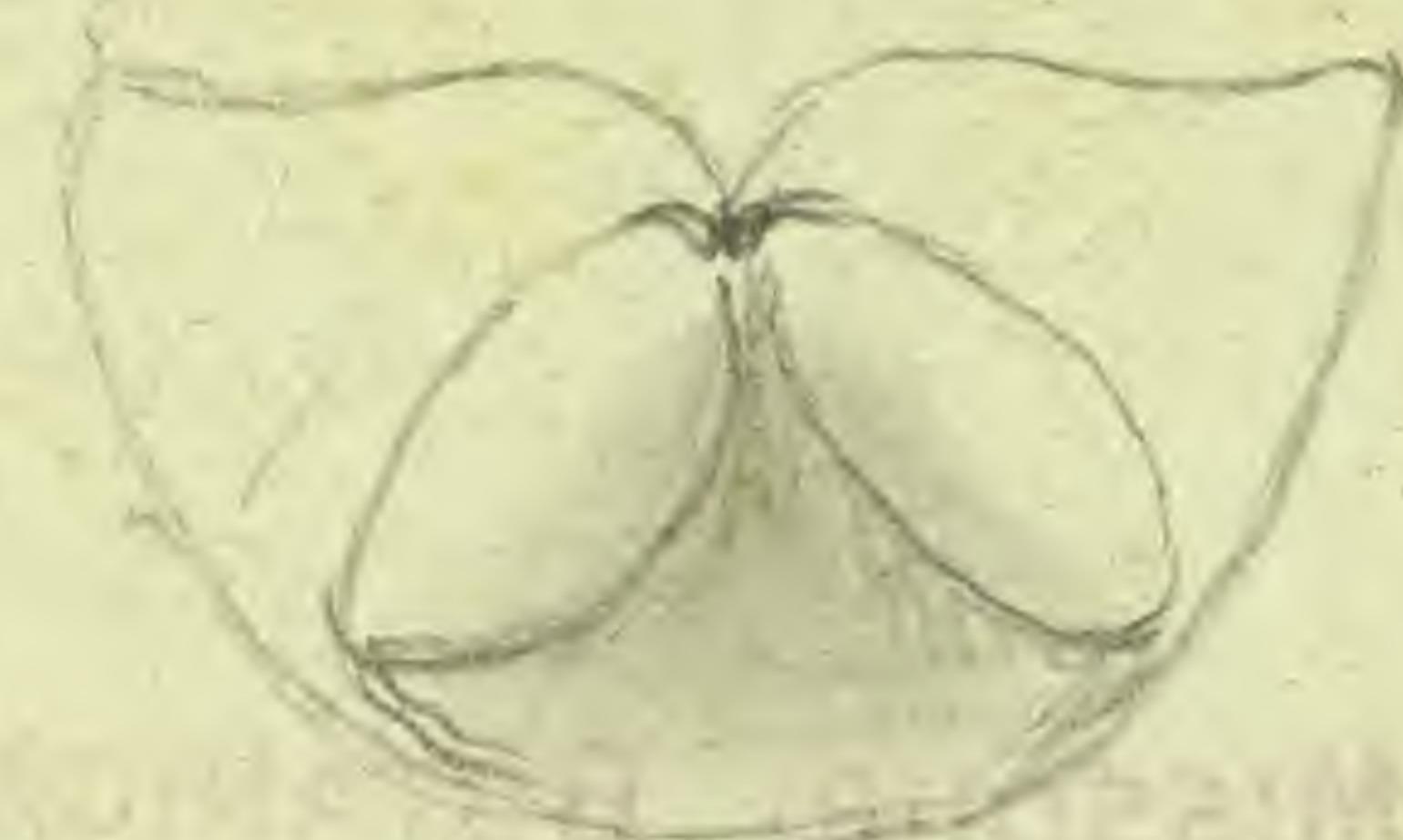
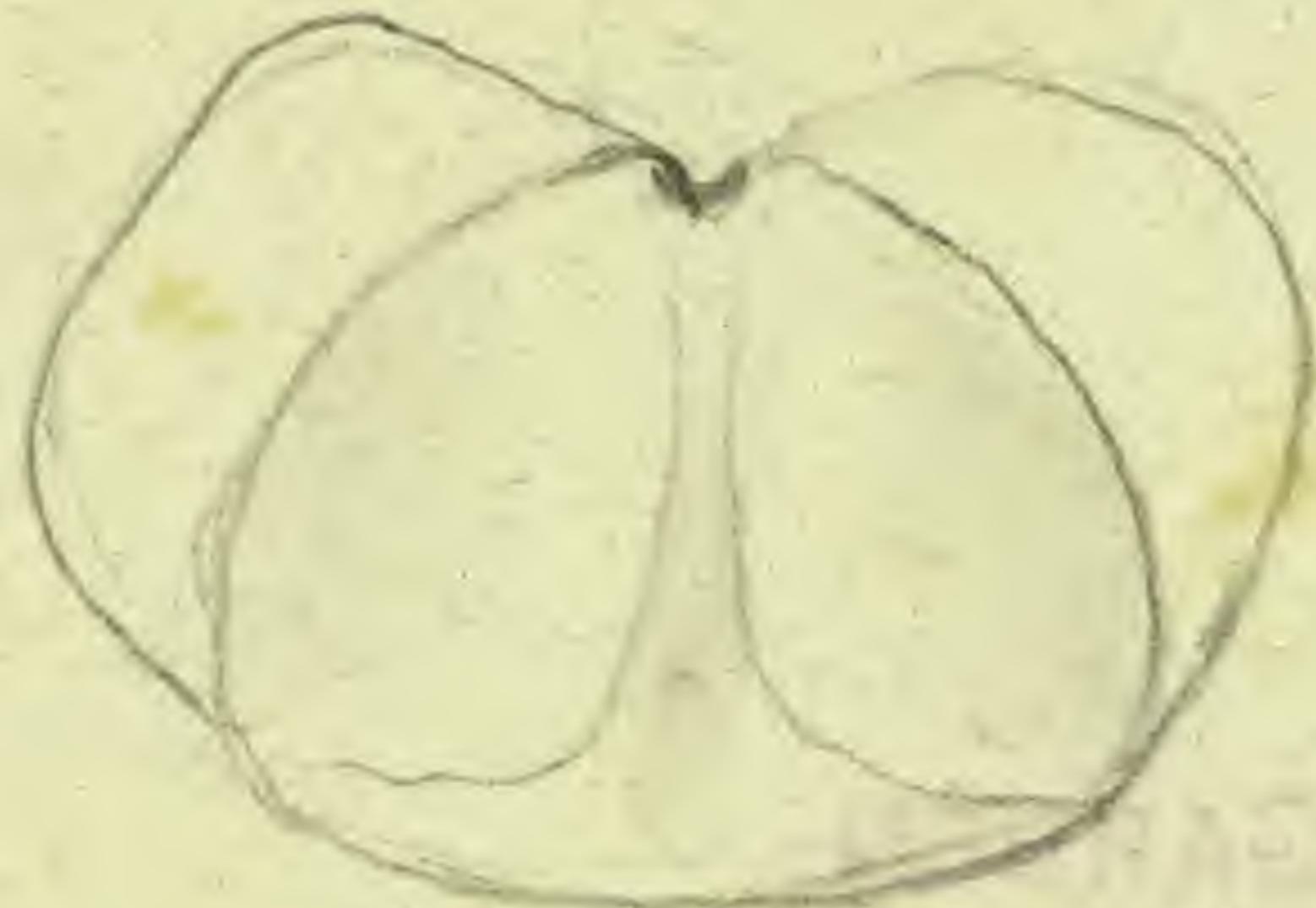
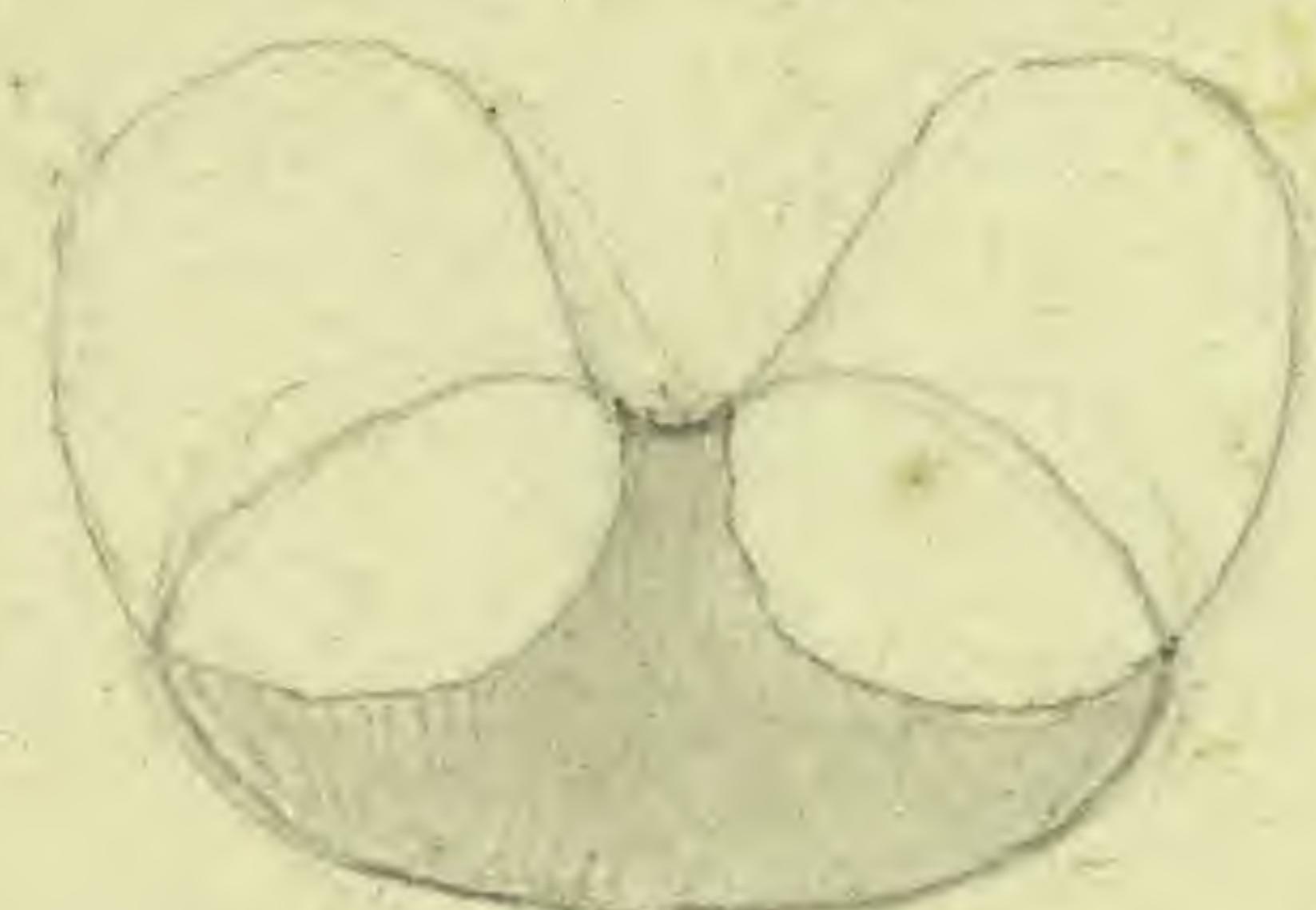


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Picea glauca, Gambel

June 1863

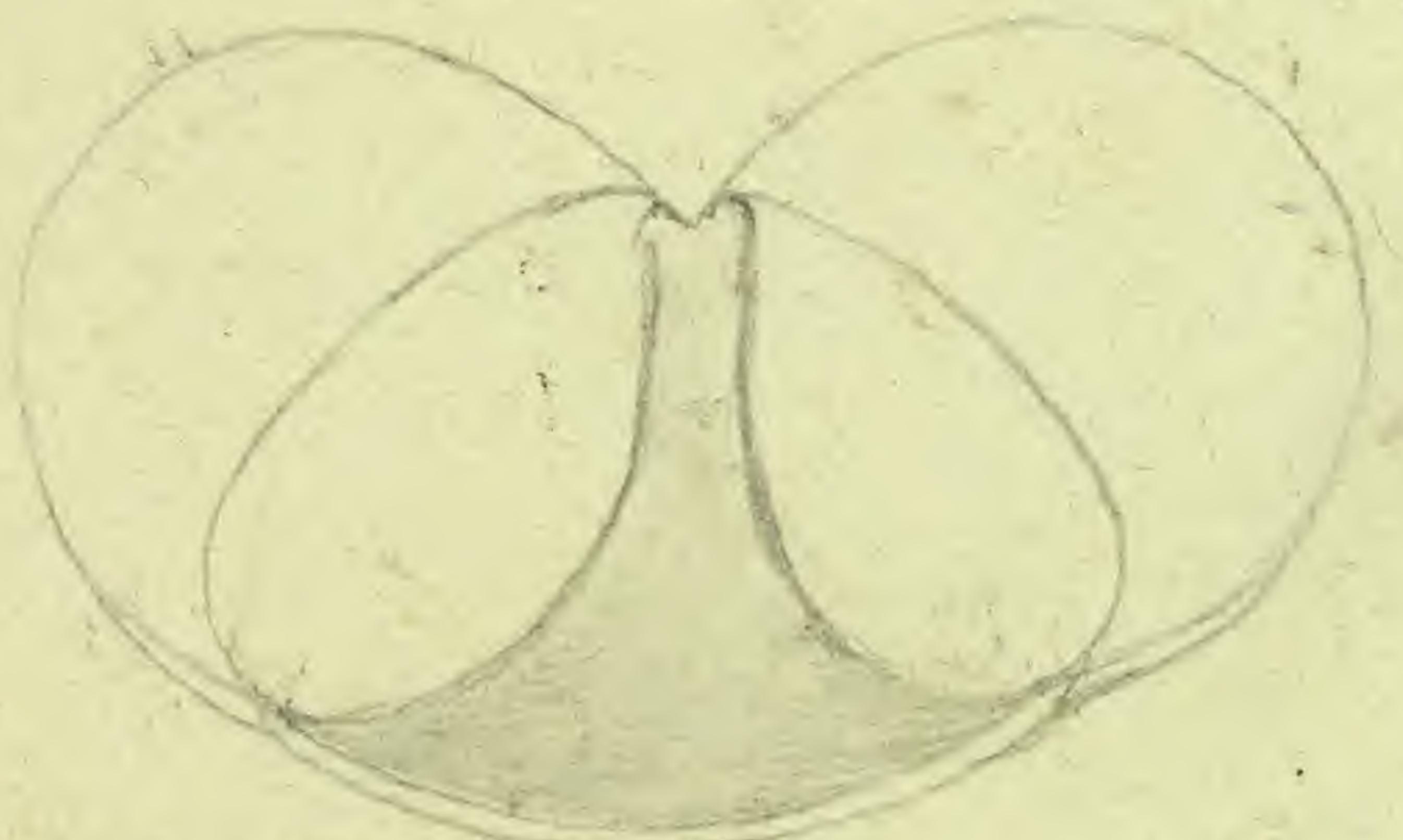
= 0.047



x 280

Pollen in Canada Balsam

x 465



= 0.050



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cm

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GARDEN

12368

ALEX. LEITCH,
APOTHECARY & PHARMACEUTIST,

Marble Building Cor. Fourth & Olive Sts. St. Louis, Mo.

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GARDEN



+ undulate

distinguished from Schizophyllum
by the entire or emarginate
(not round) scales and the
very short round bracts

Picea glauca

Oehlck., Wright coll.

Herb Gray Aug 1879



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cm

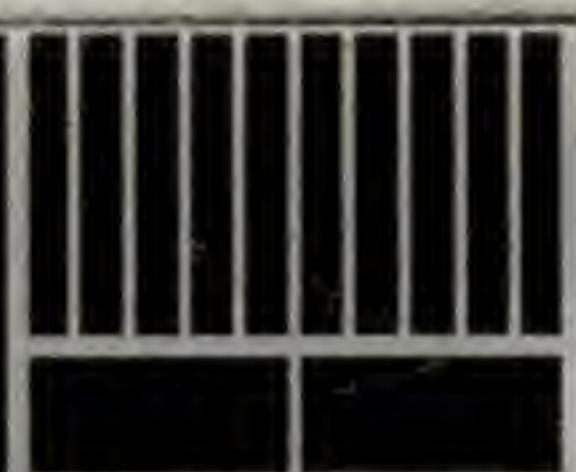
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"*Freya microspora*"

Jan 15 1878

Hort Sarge L., Jan 1878, fresh

(wrong)



x30

x30



21
14
24

only one duct. lateral
hypoderm at angles
and enlarged on sides
also within sheath



0 1 2 3 4 5 6 7 8 9 10

cm

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BOTANICAL
GARDEN

HENRY T. BOHLMAN

APOTHECARY.

No. 2600 Laclede Ave., S. W. Cor. Jefferson Ave.,
ST. LOUIS, MO.

No. _____ Date, _____

187

MISSOURI BOTANICAL GARDEN
GEORGE ENGELMANN PAPERS

12370

Geo. Engelmann, M. D.,

No. 3003 Locust Street,



0
cm

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Alocasia commutata Verlet [A. Euphlebium] one
of the magicsii race, with a handsome silvery
lanceolate foliage [Alocasia magicsii?]
Gard. Chron. Jan 23 1875 p. 105. Ad Harry



0 1 2 3 4 5 6 7 8 9 10

cm

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Epinette grise
Guérin
B. J. O'Donnell



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cm

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GARDEN

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cm

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